

Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

Legend

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25', 50', or 100')
- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations
- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

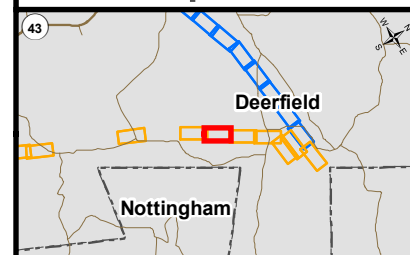
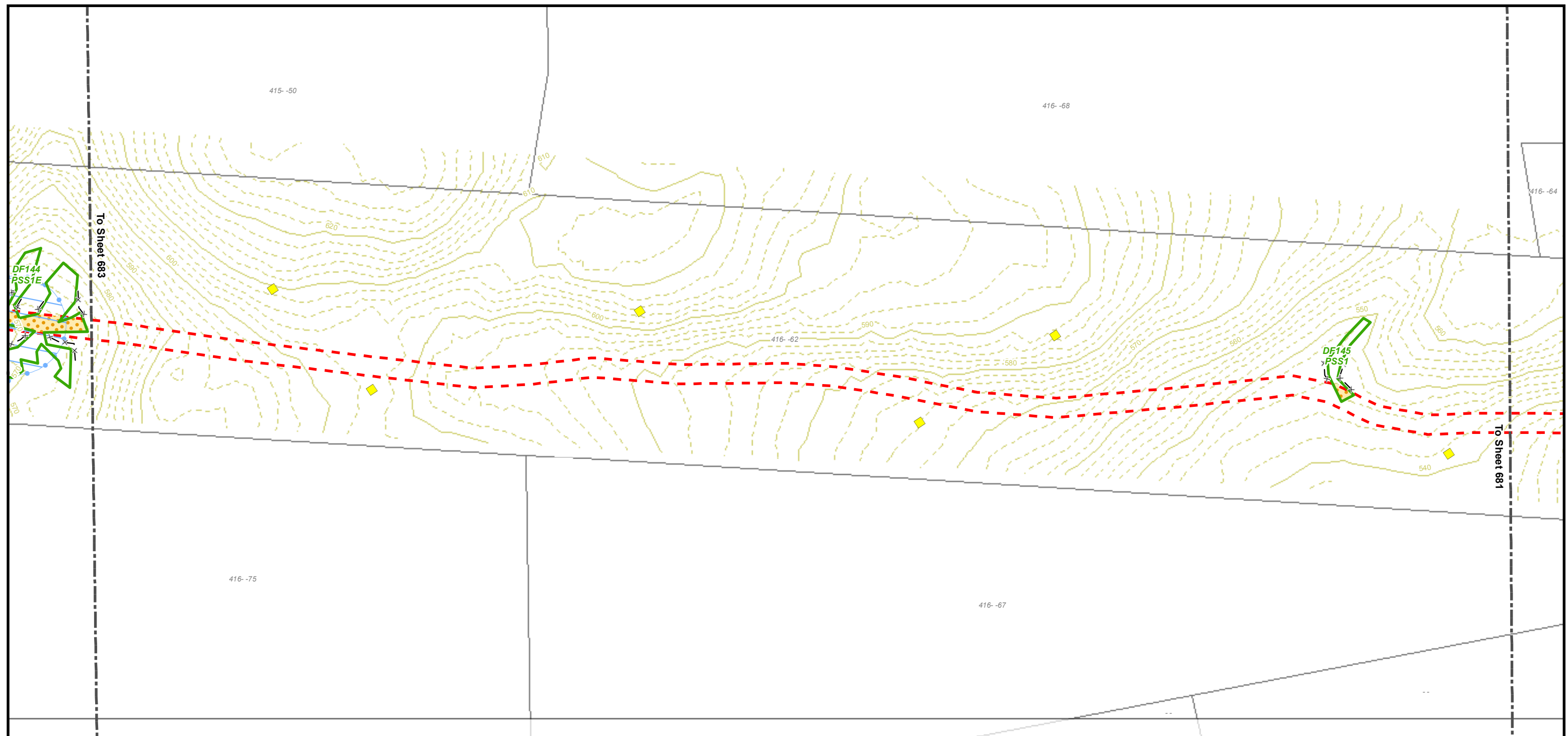
RTE Bars

- Animal
- Vegetation
- Both









1 inch equals 100 feet when printed at 11" x 17"




NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/ 100' of Vernal Pools	
DFS2, PFO/SS1E/EM1E	1,177	0	17,822	36,061	0	
DFS6, PEM1E/SS1E	3	0				
DFS7^, PEM1/UB3	1,149	0				
DFS7^, PFO1E	3,126	4,061				
DFS10S, R4SB	143	0				
DFS11S, R4SB3	194	0				
DFS14S, R4SB	502	337				
DFS3S, R4SB	0	0				
DFS5S, R4SB3	0	0				
				</		

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.



- ## Existing Conditions




-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

-  Vernal Pool
-  100' Buffer of Vernal Pools
-  Stream Buffer (varies : 25', 50', or 100')







Delineated Waterbodies








- Stream Centerlines**
- Perennial
 - Intermittent
 - Ephemeral

- 100
Feet



-  LiDAR 10' Contour
-  LiDAR 2' Contour
-  USGS 10' Contour
-  USGS 2' Contour

Proposed Conditions

-  Proposed Structure - No Permanent Impact
-  Proposed Structure - Permanent Impact
-  Proposed New ROW
-  Proposed Transmission Distribution Line
-  Trenched UG
-  Trenchless UG

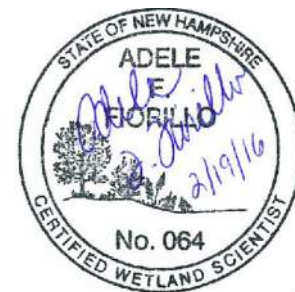
-  New Access Route
-  Existing Access Route
-  Temporary Construction Pad
-  Temporary Area of Disturbance - Construction Pad
-  Erosion and Sedimentation Control BMPs
-  Erosion and Sedimentation Control BMPs (Steep Slope)
-  Temporary Wetlands Matting
-  Permanent Impacts - Stations

1 inch equals 100 feet
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-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts

RTE Bars

-



-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard

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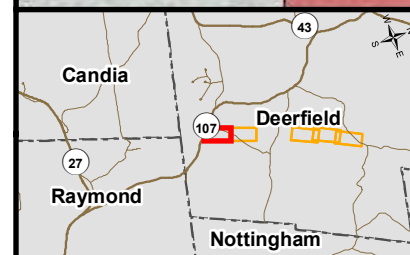
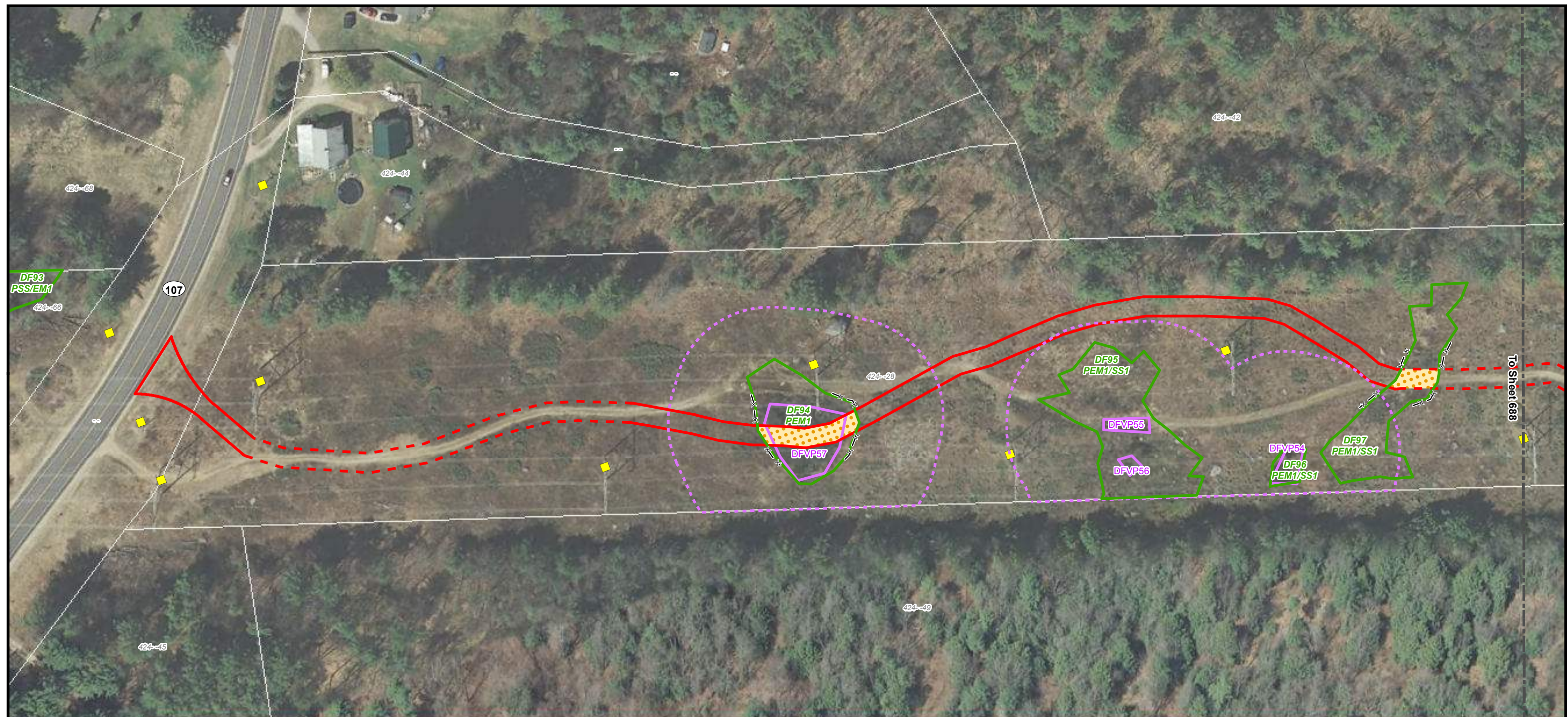
THE NORTHERN PASS PROPOSED ROUTE

[illegible]

Date: 2/19/2016

* High Quality Wetland, ^ Corps

Sheet : 682



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
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- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands
- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
 - Perennial
 - Intermittent
 - Ephemeral
- Stream Centerlines**
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- LiDAR 10' Contour
- LiDAR 2' Contour
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- USGS 2' Contour

Proposed Conditions

- Proposed Structure - No Permanent Impact
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- Proposed New ROW
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- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations
- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

RTE Bars

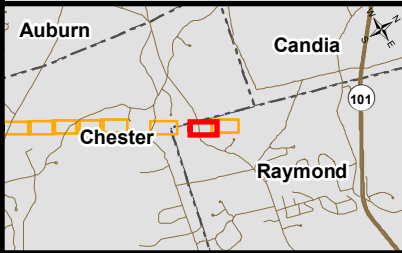
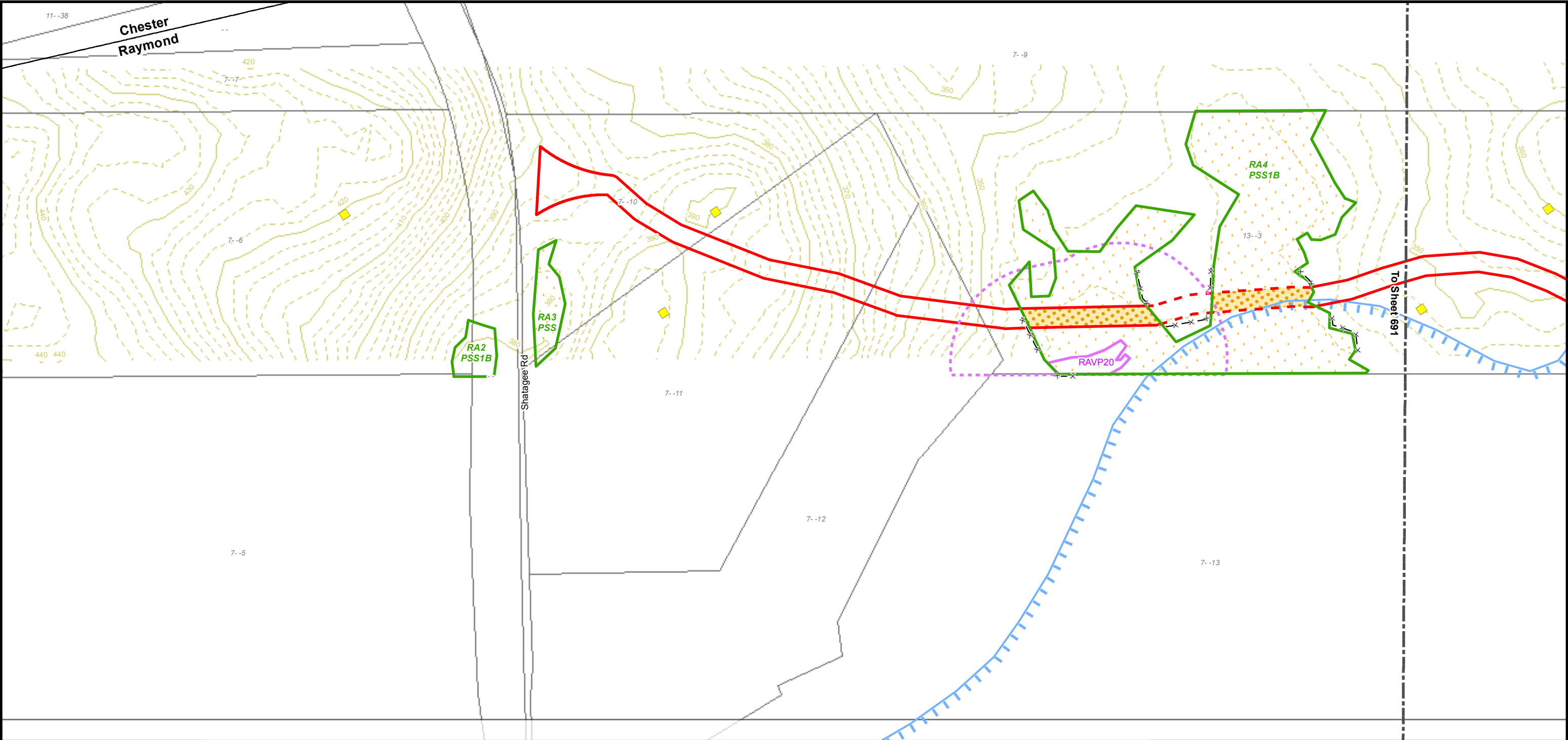
- Animal
- Vegetation
- Both

0 25 50 100 Feet

1 inch equals 100 feet when printed at 11" x 17"

STATE OF NEW HAMPSHIRE
ADELE E. FORTIN
OFFICE OF THE WETLAND SCIENTIST
No. 064
2/19/16

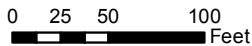
NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans					
THE NORTHERN PASS PROPOSED ROUTE					
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
DF94, PEM1	2,069	0	0	0	0
DF95, PEM1/SS1	0	0			
DF96, PEM1/SS1	0	0			
DF97, PEM1/SS1	873	0			
Date: 2/19/2016	* High Quality Wetland, ^ Corps		Sheet : 689		



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
- Perennial
- Intermittent
- Ephemeral
- Stream Centerlines**
- Perennial
- Intermittent
- Ephemeral



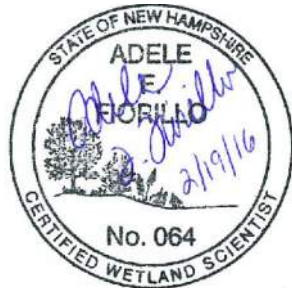
- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

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when printed at 11" x 17"

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard
- RTE Bars**
- Animal
- Vegetation
- Both

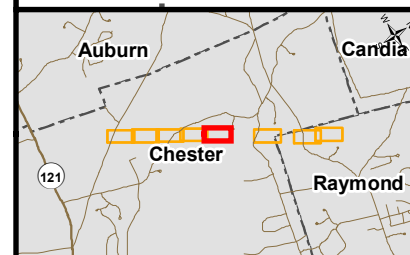
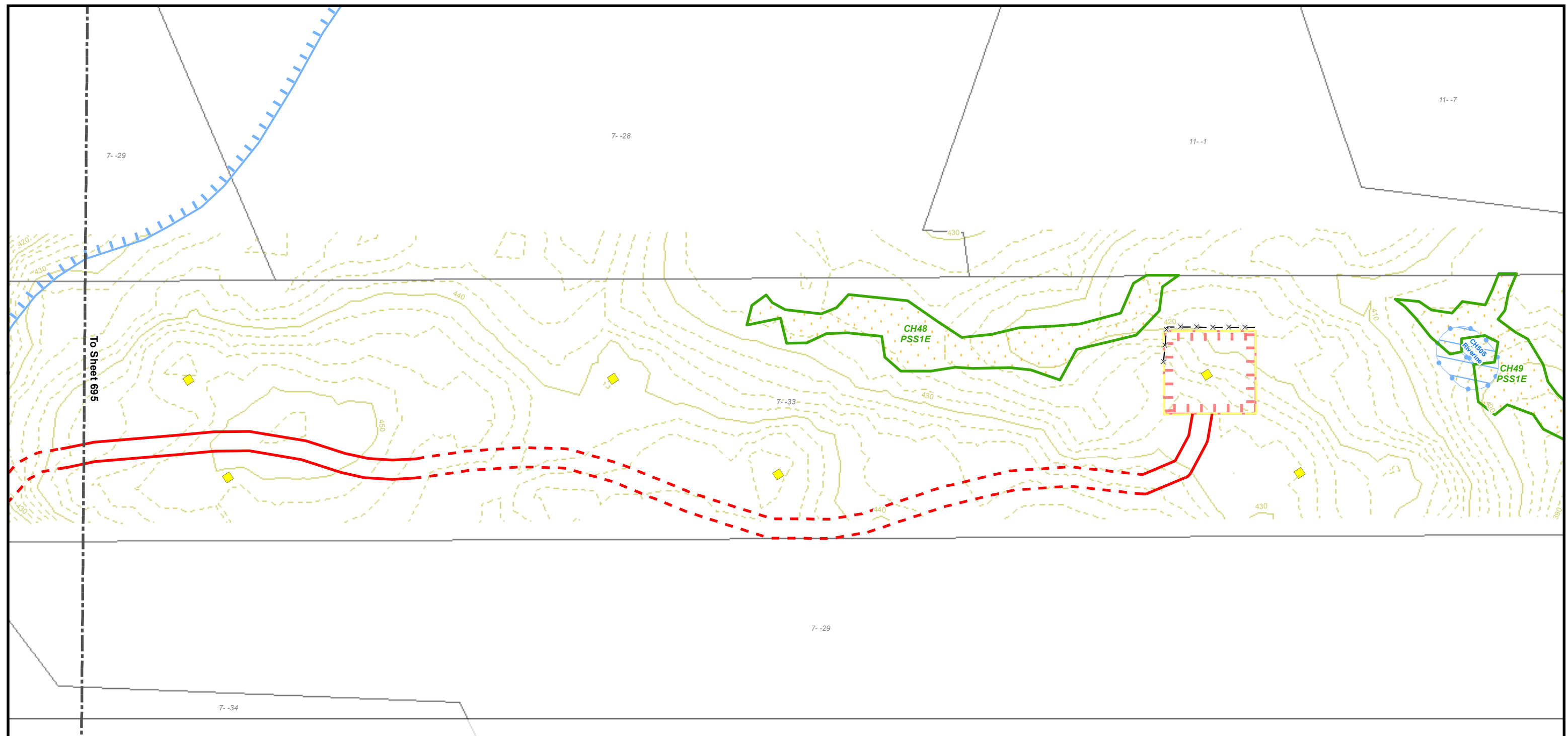


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Section 404/10 Permit Application Plans









THE NORTHERN PASS PROPOSED ROUTE










Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
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RA4*, PSS1B	4,696	0			

Date: 2/19/2016 * High Quality Wetland, ^ Corps Sheet : 692






















Existing Conditions

-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

-  Vernal Pool
 -  100' Buffer of Vernal Pools
 -  Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
-  Perennial
 -  Intermittent
 -  Ephemeral
- Stream Centerlines**
-  Perennial
 -  Intermittent
 -  Ephemeral

Proposed Conditions

-  Proposed Structure - No Permanent Impact
 Proposed Structure - Permanent Impact
 Proposed New ROW
 Proposed Transmission/Distribution Line
 Trenched UG
 Trenchless UG
 Erosion and Sedimentation Control BMPs
 Erosion and Sedimentation Control BMPs (Steep Slope)
 Temporary Wetlands
 Matting
 Permanent Impacts - Stations
- 1 inch equals 100 feet
when printed at 11" x 17"

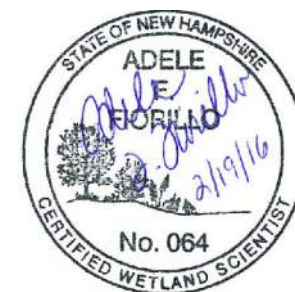
-  New Access Route
-  Existing Access Route
-  Temporary Construction Pad
-  Temporary Area of Disturbance - Construction Pad
-  Erosion and Sedimentation Control BMPs
-  Erosion and Sedimentation Control BMPs (Steep Slope)
-  Temporary Wetlands Matting
-  Permanent Impacts - Stations

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- RTE Bars**
- Animal
- Vegetation
- Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard

RTE Bars

-



**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

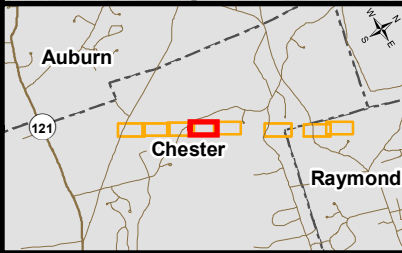
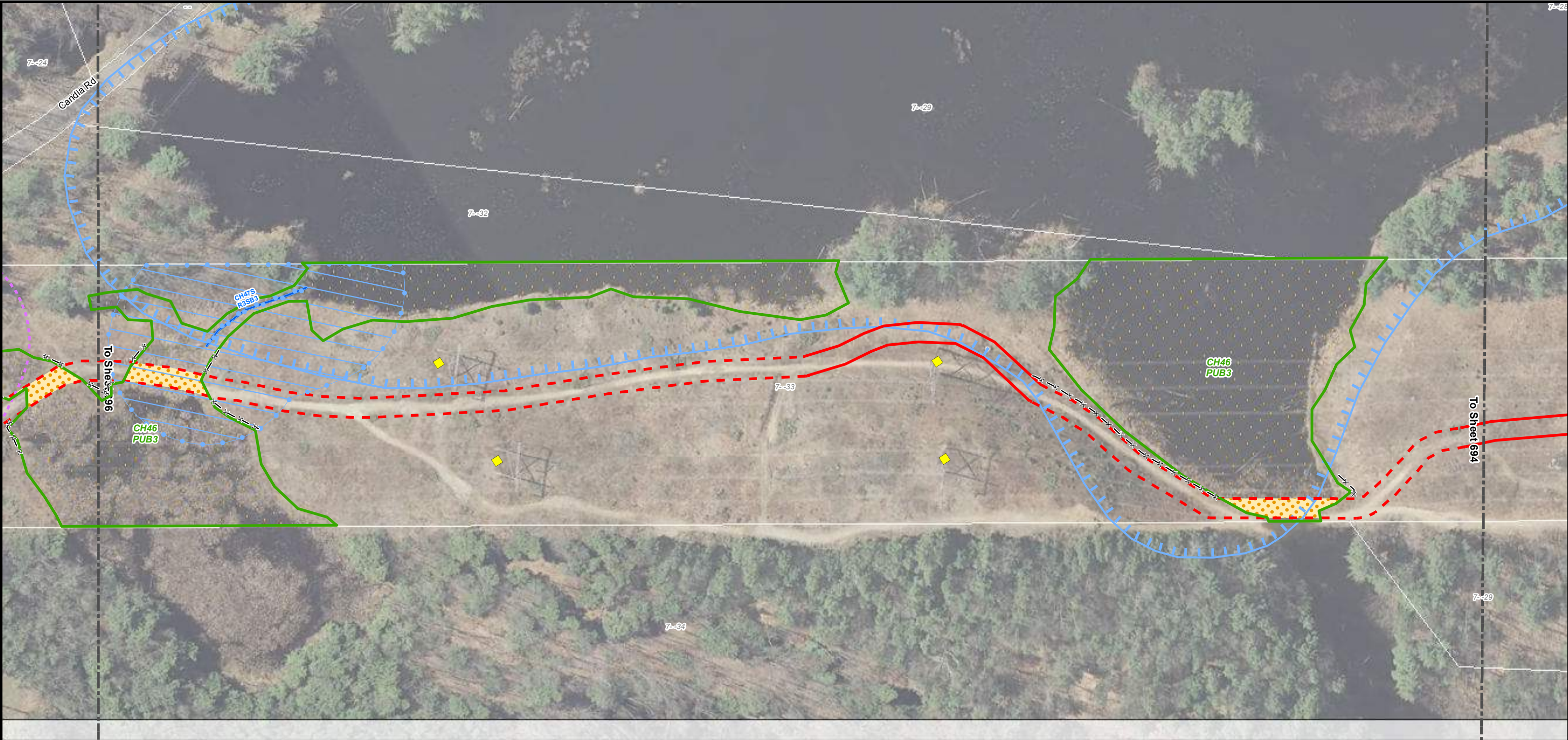
THE NORTHERN PASS PROPOSED ROUTE

[illegible]

Date: 2/19/2016

* High Quality Wetland, ^ Corps

Sheet : 694



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

Legend

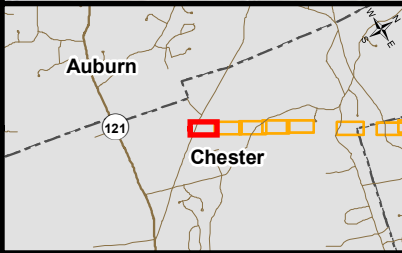
- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
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- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations
- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard

RTE Bars

- Animal
- Vegetation
- Both

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NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
CH46^A, PUB3	3,384	0	0	0	0	
CH47S, R3SB3	0	0				
Date: 2/19/2016			* High Quality Wetland, ^ Corps		Sheet : 695	



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral
- Stream Centerlines
- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

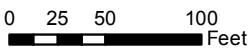
RTE Bars

- Animal
- Vegetation
- Both

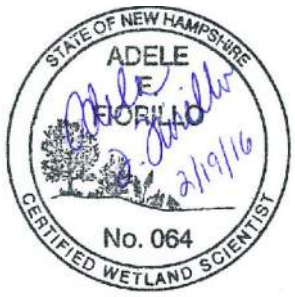
UG Disturbance Area

UG Splice Vaults

Lay Down Yard

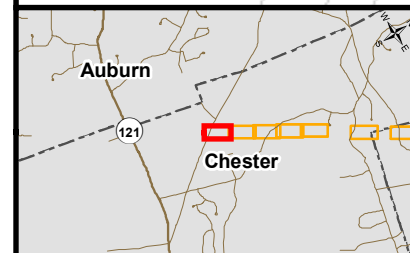
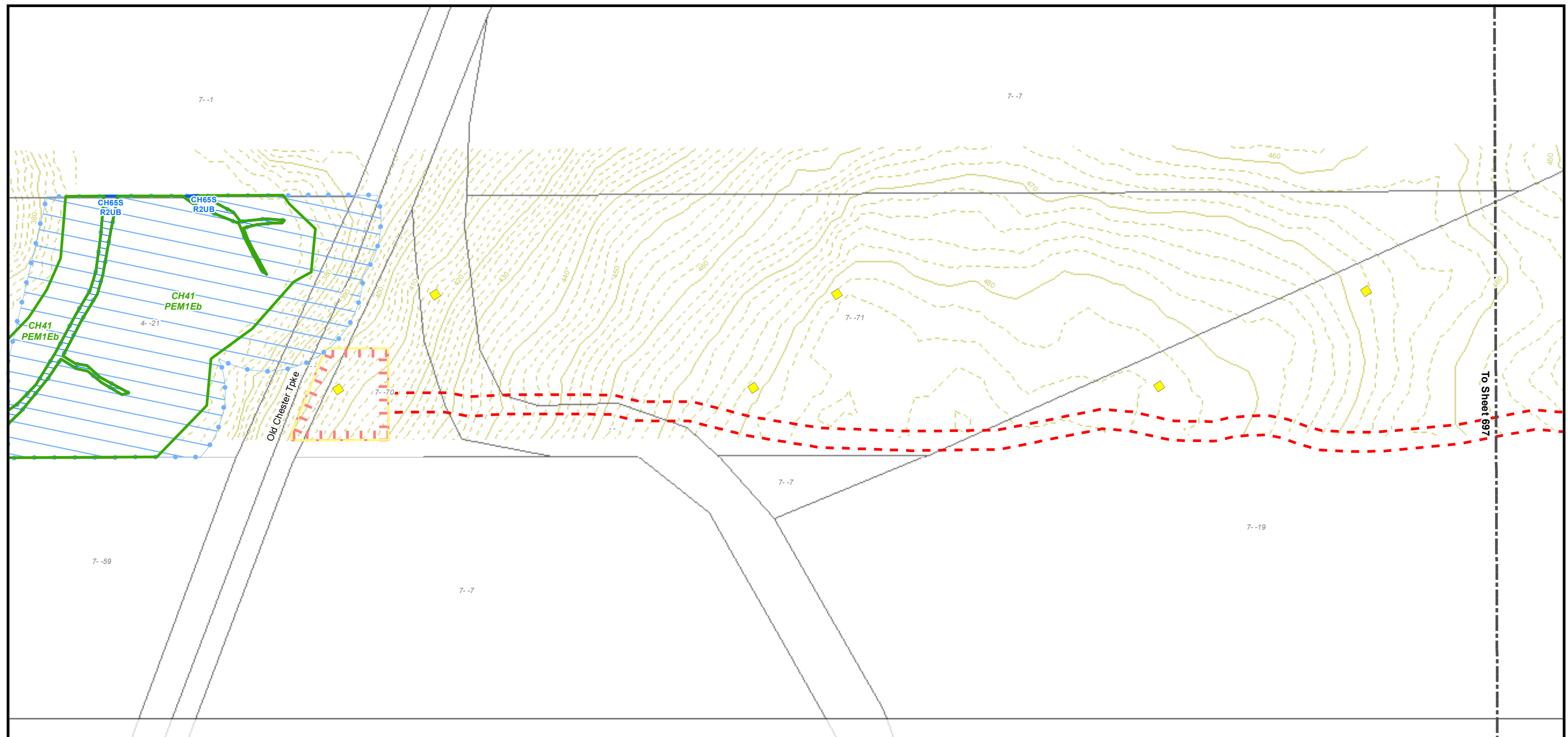


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NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans					
THE NORTHERN PASS PROPOSED ROUTE					
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/ 100' of Vernal Pools
CH41, PEM1Eb	0	0	0	0	0
CH65S, R2UB	0	0			
Date: 2/19/2016			* High Quality Wetland, ^ Corps		
			Sheet : 69		

Sources: NH GRANIT, Normandean; Cornerstone, Burns & McDonnell.










Existing Conditions






-  Existing Structure
-  Existing Structure to be Removed
-  Existing Right of Way
-  Existing Transmission Line
-  Existing Transmission Line to be Removed
-  100-year Floodzone
-  Wetlands
-  USACE Reviewed Wetlands

-  Vernal Pool
 -  100' Buffer of Vernal Pools
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-  Perennial
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- Stream Centerlines**
-  Perennial
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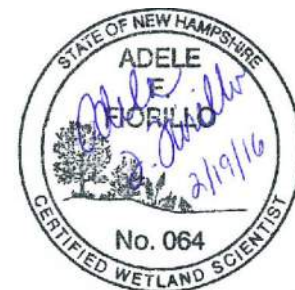
-
- LiDAR 10' Contour
 - LiDAR 2' Contour
 - USGS 10' Contour
 - USGS 2' Contour
 - Proposed Conditions**
 - Proposed Structure - No Permanent Impact
 - Proposed Structure - Permanent Impact
 - Proposed New ROW
 - Proposed Transmission/Distribution Line
 - Trenched UG
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-  New Access Route
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-  Erosion and Sedimentation Control BMPs
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-  Permanent Impacts - Stations

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-  Vegetation Clearing Areas
-  Span Stream with No Permanent Impacts
- RTE Bars**
-  Animal
-  Vegetation
-  Both

-  UG Disturbance Area
-  UG Splice Vaults
-  Lay Down Yard



**NHDES Wetlands & US Army Corps of Engineers
Section 404/10 Permit Application Plans**

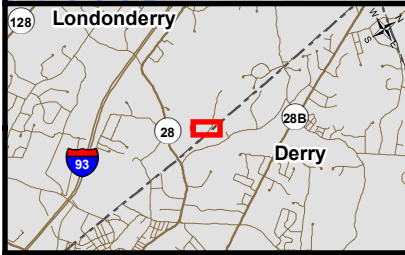
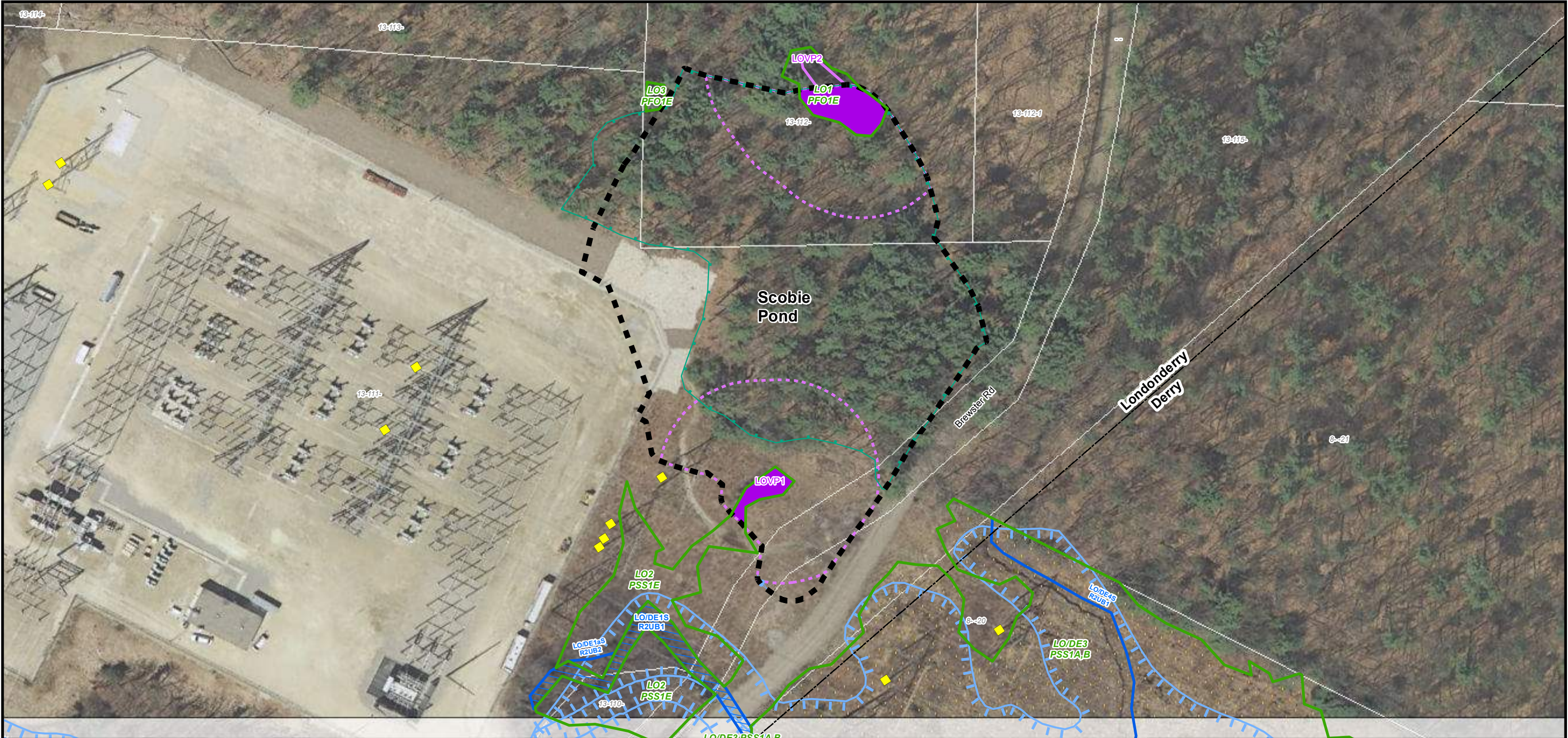
THE NORTHERN PASS PROPOSED ROUTE

[illegible]

Date: 2/19/2016

* High Quality Wetland, ^ Corps

Sheet : 698



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

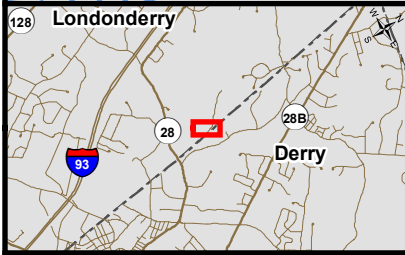
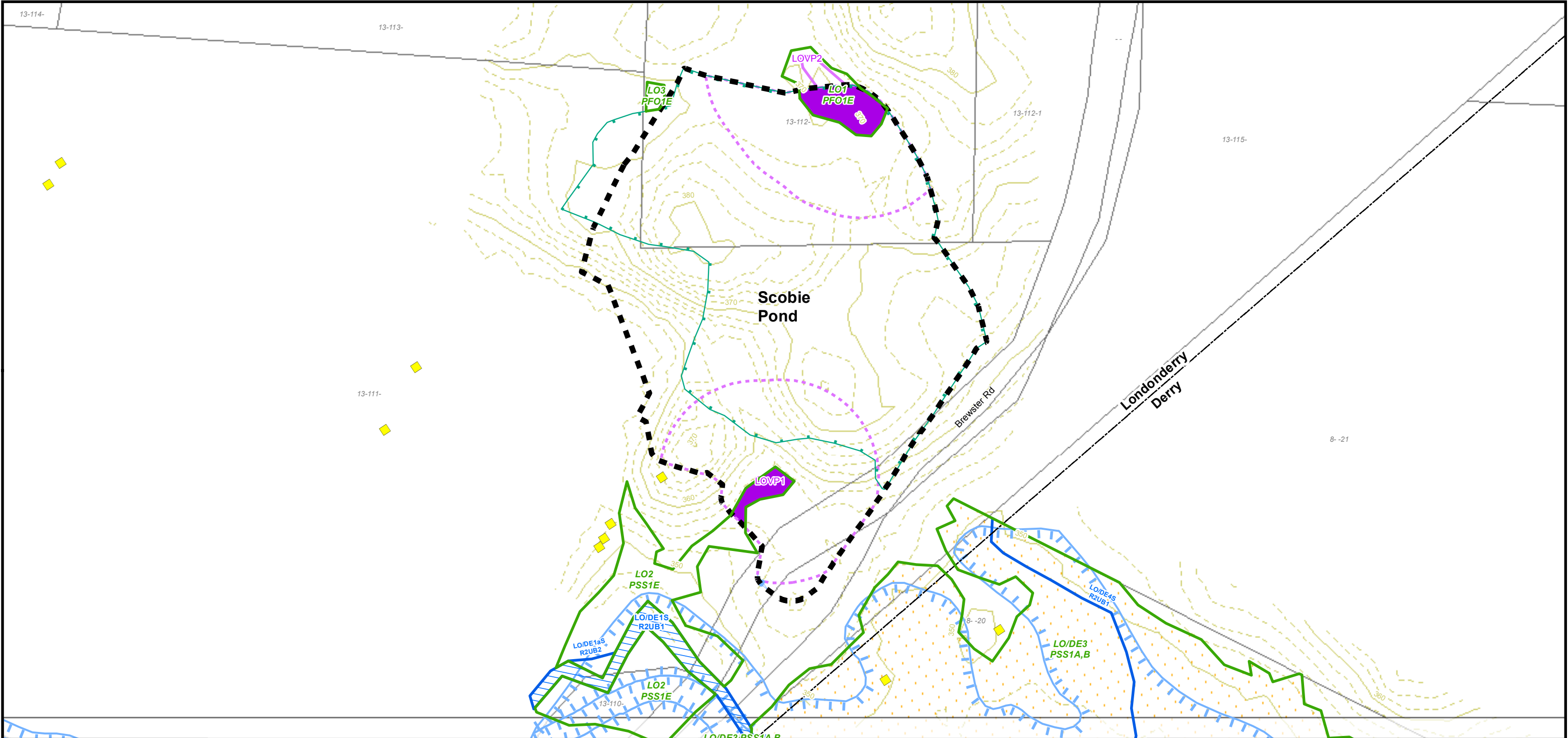
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Legend

- Vernal Pool
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- Erosion and Sedimentation Control BMPs (Steep Slope)
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- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard
- RTE Bars: Animal, Vegetation, Both

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NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
LO1, PFO1E	0	3,034	3,035	0	26,373	
LO2, PSS1E	0	1,349				
Date: 2/19/2016			* High Quality Wetland, ^ Corps		Sheet : 699	



Existing Conditions

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

Delineated Waterbodies

- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
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Proposed Conditions

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG

Other Features

- Vernal Pool
- 100' Buffer of Vernal Pools
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LO1, PFO1E	0	3,034	3,035	0	26,373	
LO2, PSS1E	0	1,349				
Date: 2/19/2016			* High Quality Wetland, ^ Corps		Sheet : 699	